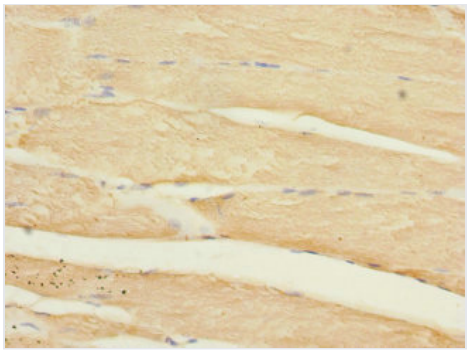
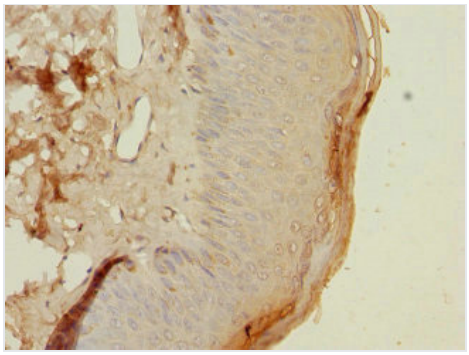
HLA-DOA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HLA-DOA, Polyclonal Antibody
Full Product Name	HLA-DOA Antibody
Product Gene Name	anti-HLA-DOA antibody
Product Synonym Names	HLA class II histocompatibility antigen; DO alpha chain; MHC DN-alpha; MHC DZ alpha; MHC class II antigen DOA; HLA-DOA; HLA-DNA; HLA-DZA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	27,599 Da
OMIM	142930
3D Structure	ModBase 3D Structure for P06340
Species	Human
Immunogen	Recombinant human HLA class II histocompatibility antigen, DO alpha chain protein (26-135AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-103546
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HLA-DOA antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-HLA-DOA antibody	Recommended dilution: IHC: 1:20-1:200
Related Product Information for anti-HLA-DOA antibody	Important modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B-cells. Modifies peptide exchange activity of HLA-DM.
Other Notes	Small volumes of anti-HLA-DOA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HLA-DOA purchase	MBS7044968 is an antibody targeting HLA-DOA. Also known as HLA-DOA Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-HLA-DOA antibody
Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using MBS7044968 at dilution 1:100



Immunohistochemistry (IHC) of anti-HLA-DOA antibody
Immunohistochemistry of paraffin-embedded human skin tissue using MBS7044968 at dilution 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HLA-DOA. It may not necessarily be applicable to this product.

NCBI GI #	4504401
NCBI GeneID	3111
NCBI Accession #	NP_002110.1
UniProt Primary Accession #	P06340
UniProt Secondary Accession #	Q58HU0; Q58HU1; Q5STC7; Q9TQC6; Q9TQC7; Q9TQC8; Q9TQC9; Q9TQD0; Q9TQD1; Q9TQD2; Q9TQD3
UniProt Related Accession #	P06340
GenBank Nucleotide #	NM_002119.3
NCBI Official Full Name	HLA class II histocompatibility antigen, DO alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DO alpha
NCBI Official Symbol	HLA-DOA
NCBI Official Synonym Symbols	HLADZ; HLA-DNA; HLA-DZA
UniProt Protein Name	HLA class II histocompatibility antigen, DO alpha chain
UniProt Synonym Protein Names	MHC DN-alpha; MHC DZ alpha; MHC class II antigen DOA
Protein Family	HLA class II histocompatibility antigen
UniProt Gene Name	HLA-DOA
UniProt Synonym Gene Names	HLA-DNA; HLA-DZA
UniProt Entry Name	DOA_HUMAN
NCBI Protein Information	HLA class II histocompatibility antigen, DO alpha chain
NCBI Summary for HLA-DOA	HLA-DOA belongs to the HLA class II alpha chain paralogues. HLA-DOA forms a heterodimer with HLA-DOB. The heterodimer, HLA-DO, is found in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. In comparison with classical HLA class II molecules, this gene exhibits very little sequence variation, especially at the protein level. [provided by RefSeq, Jul 2008]

UniProt Comments for HLA-DOA	HLA-DOA: Important modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B-cells. Modifies peptide exchange activity of HLA-DM. Belongs to the MHC class II family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: lysosomal membrane; MHC class II protein complex; plasma membrane Molecular Function: MHC class II receptor activity; protein binding Biological Process: antigen processing and presentation of exogenous peptide antigen via MHC class II; negative regulation of antigen processing and presentation of peptide antigen via MHC class II
Research Articles on HLA-DOA	**1.** TAP2, HLA-DOA, HLA-DOB, and tapasin loci are novel candidate regions for susceptibility to HCV infection and viral clearance in the Chinese population
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